PROJECT DESCRIPTION THIS PROJECT INVOLVES THE INSTALLATION OF A TEMPORARY TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 26 (LIBERTY ROAD) AND I-695 RAMP 3 (TEMP) LOCATED IN BALTIMORE COUNTY; THE TEMPORARY TRAFFIC SIGNAL SHALL BE IN OPERATION FOR THE DURATION OF THE RAMP 2 AND RAMP 3 ROAD CLOSURES. INTERSECTION LIGHTING WILL BE PROVIDED AT THE INTERSECTION. MD 26 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION. INTERSECTION OPERATION THIS INTERSECTION SHALL OPERATE IN A NEMA 2-PHASE, FULL-TRAFFIC-ACTUATED MODE. THE EASTBOUND LIBERTY ROAD APPROACH WILL OPERATE WITH EXCLUSIVE PHASING FOR THE LEFT TURN MOVEMENT ONTO RAMP 3 (TEMP). CONTROLLER REQUIREMENTS A FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT AND DETECTOR RACK SHALL BE HOUSED IN A NEMA SIZE 5 POLE MOUNTED CABINET. CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS: MS. ERIN KUHN MR. MICHAEL PASQUARIELLO ASSISTANT DISTRICT ENGINEER-TRAFFIC UTILITY ENGINEER PHONE: (410)321-2781 PHONE: (410)321-2841 MR. ANDRE FUTRELL

ASSISTANT DISTRICT ENGINEER-MAINTENANCE PHONE: (410)321-2761

CONTACT PERSONS FOR DOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS ASSISTANT DIVISION CHIEF DIVISION PHONE: (410)787-7630

MR. ROBERT SNYDER TRAFFIC OPERATIONS (410)787-7630

MR. ED RODENHIZER CHIEF, SIGNAL OPERATIONS (410)787-7650

(410) 850-4620

MR. EUGENE BAILEY CHIEF, SIGN OPERATIONS (410)787-7676

THE POWER COMPANY GAS & ELECTRIC NEW BUSINESS DEPT.

EQUIPMENT LIST "A" A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

CATEGORY C	DDE DESCRIPTION	UNIT	QUANTITY
	VIDEO DETECTION INTERFACE EQUIPMENT: 1—4 CAMERAS EIGHT PHÀSE (FULLY ACTUATED) CONTROLLER AND CABINET — POLE MOUNT	EA EA	1 1
973023	SHEET ALUMINUM SIGNS	SF	15

CONSISTING OF:

<u>SPAN MOUNT</u>

2 - R3-5 (30"X36")

	WIRING KEY		
B,D	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)	X • Y	12-PAIR COMMUNICATION CABLE SEE INTERCONNECT PLANS FOR DETAILS.
A • C	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)	Z	NO. 6 AWG STRANDED BARE
÷ E,H	VIDEO DETECTION CABLE		COPPER GROUND WIRE
I	VIDEO DETECTION CABLE UP TO 500'	+	PROPOSED GROUND ROD
F,G	2-CONDUCTOR ELECTRICAL CABLE TYPE T/C (NO. 12 AWG)		
PS	UNDERGROUND POWER SERVICE TO BE INSTALLED BY BGE		

* COST OF CABLE INCIDENTAL TO CAMERA

EQUIPMENT LIST "B"

DESCRIPTION

CATEGORY CODE

_					*	-		
В.	EQUIPMENT	TO BE	. FURNISHED	AND/OR	INSTALLED	BX	THE	CONTRACTOR.

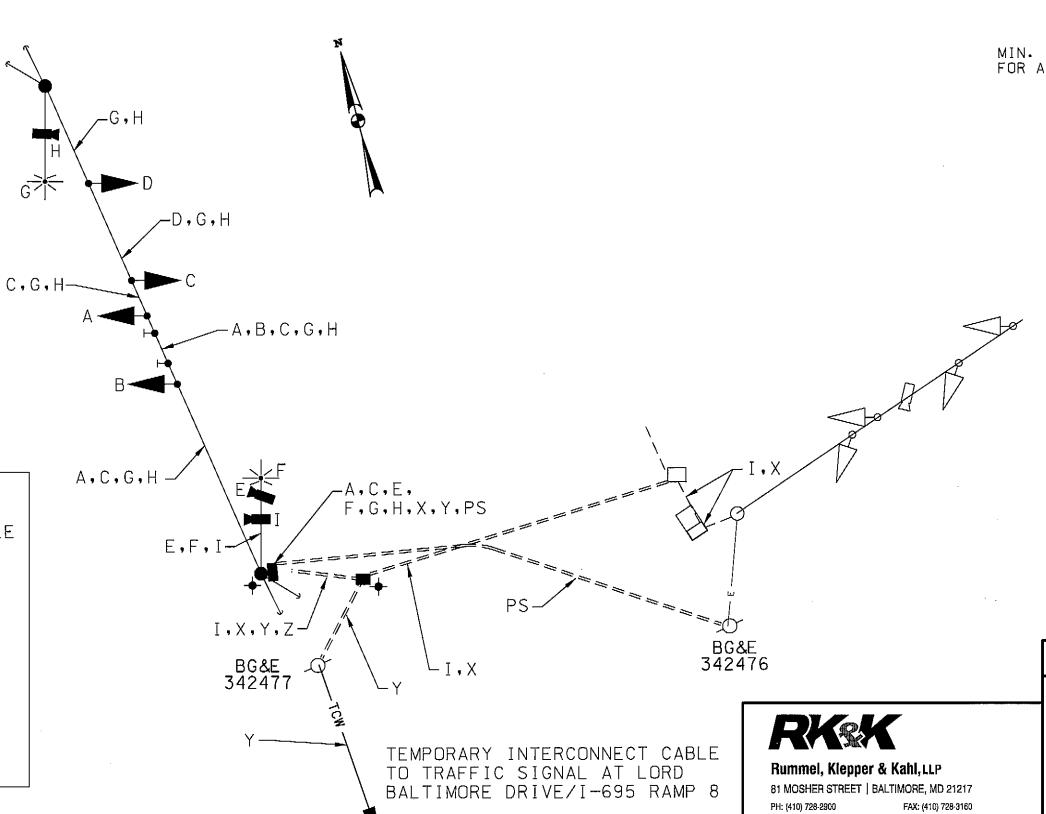
0/11/200/11 0C	223011111011	01111	
203030	TEST PIT EXCAVATION	CY	
585621	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	LF	
585625	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES 40 FOOT CLASS II WOOD POLE WITH DOUBLE BACK GUY	LF	
800000	40 FOOT CLASS II WOOD POLE WITH DOUBLE BACK GUY	EΑ	
800000	TERRA VIDEO DETECTION CAMERA AND CABLE	EΑ	
801106	WOOD SIGN SUPPORTS 4 INCH X 6 INCH	LF	
801605	SHEET ALUMINUM SIGNS	SF	
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	
805050	WEATHER HEAD, 3 INCH	EΑ	
805118	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED	LF	
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT—TRENCHED	LF	
807400	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	EΑ	
813015	INSTALL OVERHEAD SIGN	SF	
** 816001	VIDEO DETECTION CAMERA	EΑ	
** 816010	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EΑ	
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	EΑ	
833060	3 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80, RISER	LF	
837001	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EΑ	
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EΑ	
861107	ELECTRICAL CABLE — 5 CONDUCTOR (NO. 14 AWG)	LF	
861108	ELECTRICAL CABLE — 7 CONDUCTOR (NO. 14 AWG)	LF	
861116	ELECTRICAL CABLE — 2 CONDUCTOR (NO. 12 AWG)	LF	
866104	20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	EΑ	
869101	STEEL SPAN WIRE - 1/4 INCH DIAMETER	LF	
869102	STEEL SPAN WIRE - 3/8 INCH DIAMETER	LF	
871201	INSTALL CONTROLLER AND CABINET - POLE MOUNT	EΑ	
** OLDE	REMOVE AND DISPOSE OF TEMPORARY TRAFFIC SIGNAL AND ALL ASSOCIATED EQUIPMENT TERRA VIDEO DETECTION CAMERA AND CABLE WOOD SIGN SUPPORTS 4 INCH X 6 INCH SHEET ALUMINUM SIGNS NO. 6 AWG STRANDED BARE COPPER GROUND WIRE WEATHER HEAD, 3 INCH 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS INSTALL OVERHEAD SIGN VIDEO DETECTION CAMERA CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE 3 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80, RISER GROUND ROD — 3/4 INCH DIAMETER X 10 FOOT LENGTH 12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION ELECTRICAL CABLE — 5 CONDUCTOR (NO. 14 AWG) ELECTRICAL CABLE — 7 CONDUCTOR (NO. 14 AWG) ELECTRICAL CABLE — 2 CONDUCTOR (NO. 12 AWG) 20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE STEEL SPAN WIRE — 1/4 INCH DIAMETER STEEL SPAN WIRE — 1/4 INCH DIAMETER INSTALL CONTROLLER AND CABINET — POLE MOUNT R (NON-IP BASED) STYLE VIDEO DETECTION CAMERA AND CABLE UP TO 500' WILL BE US	ED	

TO PROVIDE SETBACK DETECTION FOR MD 26 AT RAMP 4 SIGNAL. THE NEWER TERRA VIDEO DETECTION CAMERA CANNOT BE USED BECAUSE IT IS NOT COMPATIBLE WITH THE EXISTING VIDEO DETECTION INTERFACE EQUIPMENT IN THE EXISTING CABINET.

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA.

SHA FORCES SHALL REMOVE THE VIDEO DETECTION CAMERAS, CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.



PHASING CHART 1 2 3 4 R R Y G G (F) (F) (G) 2 CHANGE | ←R — R — Y FLASHING FL/ FL/Y FL/Y FL/Y **◆**//

QUANTITY

80

100

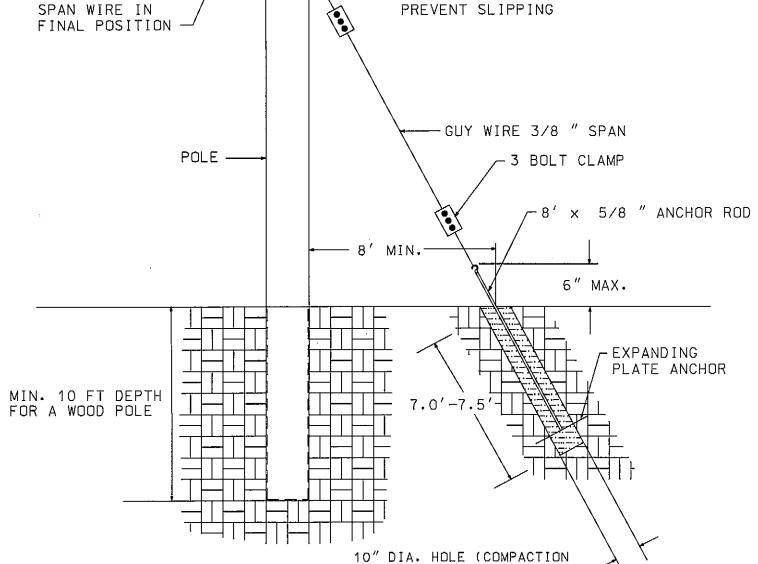
220

250

175 175

Engineers Construction Managers Planners Scientists

BACK GUY TYPICAL AND ANCHOR DETAIL



GUY WIRE PLACED ON TOP OF SPAN TO

TS NO. 4728GI

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

MD 26 (LIBERTY ROAD) AT RAMP 3 TEMP WOODLAWN, MARYLAND

GENERAL INFORMATION SHEET **REVISIONS** SCALE NONE DATE SEPTEMBER 2009 CONTRACT NO. BA4625168 BALTIMORE COUNTY ____ LOGMILE . 03002608.53 CHECKED BY _____ F.A.P. NO. SEE TITLE SHEET TOD NO.

DRAWING SP-2 OF 2

SHEET NO. 201 OF 25

REQUIRED AFTER BACK FILL) -

PLOTTED: Thursday, September 24, 2009 AT 03:39 PM FILE: M:\projects\2006\06063_beltway\Task 05\CADD\plans\pSG-0002_MD26@Ramp3Temp_Gl.dgn